

REMARKS

Claims 1, 3-7, and 9-27 are pending in the present application, and the Office Action presently rejects claims 1-24. The objections and rejections are traversed below, and reconsideration of all rejected claims is respectfully requested.

Claim 1 is amended to include the features of claim 2, and claims 3 and 4 are amended to change their dependency from claim 2 to claim 1. Accordingly, claim 1 has the same scope as original claim 2, and the scope of claims 3 and 4 has not changed.

Claim 6 is amended to include the features of claim 8, and claims 9, 10 and 11 are amended to change the dependency from claim 8 to claim 6. Accordingly, claim 6 has the same scope as original claim 8 and the scope of original claims 9, 10 and 11 is unchanged.

In addition, Applicants add new claims 25-27.

Accordingly, claims 1, 3-7, and 9-27 are pending. The objections and rejections are traversed or obviated below, and withdrawal of all objections and rejections is respectfully requested.

Objection to the Drawings

Figures 1-2 are objected to under 37 C.F.R. §1.83(a) because the drawings do not show "the second switching unit connected to a power supply terminal of the USB interface of claim 2..." (Item 3, page 2 of the Office Action). This objection is respectfully traversed.

Applicants respectfully submit that at least paragraphs [0037] through [0047] and Fig. 2 fully support the "second switching unit" recited in claim 2. Accordingly, withdrawal of this rejection is respectfully requested.

Claim Rejections Under 35 USC §103(a)

Claims 2-4 and 14-24 are rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent 6,674,271 to Choo et al. (hereinafter referred to as "Choo") in view of U.S. Patent 6,801,730 to Johnson et al. (hereinafter referred to as "Johnson"). This rejection is respectfully traversed.

It is respectfully submitted that the obviousness rejection based on Choo is not a proper §103 obviousness rejection under 35 U.S.C. §103(c), as Choo is only a proper §102(e) reference and was commonly assigned at the time of the filing of the present application. The Assignee of Choo and the present patent application is Samsung Electronics Co., Ltd.

Accordingly, withdrawal of this rejection is respectfully requested.

Rejection of Claims 1 and 5-13 Under 35 USC §102(e)

Claims 1 and 5-13 are rejected under 35 U.S.C. §102(e) as being anticipated by Choo. This rejection is traversed or obviated as discussed below.

Claim 1 is amended to include the features of claim 2. As conceded in point 8 of the Office Action, Choo does not disclose, teach or suggest at least "a USB interface unit." Therefore, for at least these reasons, it is respectfully submitted that claim 1 patentably distinguishes over the cited reference.

Further, claim 5 depends from claim 1 and includes all of the features of claim 1 plus additional features which are not taught or suggested by the cited reference. Therefore, for at least these reasons, it is respectfully submitted that claim 5 also patentably distinguishes over the cited reference.

Claim 6 is amended to include the features of claim 8. Choo does not disclose, teach or suggest at least, "a photo coupler connected the second switching unit, wherein the photo coupler comprises...an auxiliary power supply to supply power to the second switching unit," as recited in amended claim 6. Therefore, for at least these reasons, it is respectfully submitted that claim 6 patentably distinguishes over the cited reference.

Further, claim 8 is cancelled without prejudice or disclaimer, and claims 9-11 are amended to depend from claim 6. Claims 7 and 9-13 depend from claim 6 and include all of the features of that claim plus additional features which are not taught or suggested by the cited reference. Therefore, for at least these reasons, it is respectfully submitted that claims 7 and 9-13 also patentably distinguish over the cited reference.

Rejection of claims 1, 5-7, 12 and 13 under 35 U.S.C. §102(b).

Claims 1, 5-7, 12 and 13 are rejected under 37 U.S.C. §102(b) as being anticipated by U.S. Patent 6,252,783 to Huh, et al. (hereinafter referred to as "Huh"). This rejection is obviated as discussed below.

Claim 1 is amended to include the features of claim 2 and claim 6 is amended to include the features of claim 8. Therefore, for at least these reasons, it is respectfully submitted that claims 1 and 6 patentably distinguish over the cited reference.

Further, claim 5 depends from claim 6 and includes all of the features of that claim plus

additional features that are not taught or suggested by the cited reference. Therefore, for at least these reasons, it is respectfully submitted that claim 5 also patentably distinguishes over the cited reference.

Further, claims 7, 12 and 13 depend from claim 6 and include all of the features of that claim plus additional features which are not taught or suggested by the cited reference.

Therefore, for at least these reasons, it is respectfully submitted that claims 7, 12 and 13 also patentably distinguish over the cited reference.

New Claims

Claim 25 depends from claim 1 and includes all of the features of that claim plus additional features that are not taught or suggested by the cited references. Therefore, for at least these reasons, it is respectfully submitted that claim 25 also patentably distinguishes over the cited references.

Choo, Huh and Johnson, taken separately or in combination, do not disclose, teach or suggest at least, "a first switching unit; ... and a second switching unit performing a turn-on operation according to the power on/off signal," as recited in claim 26.

Claim 27 depends from claim 26 and includes all of the features of that claim plus additional features that are not taught or suggested by the cited references. Therefore, for at least these reasons, it is respectfully submitted that claim 27 also patentably distinguishes over the cited references.

Summary

Claims 1, 3-7, and 9-27 are pending and under consideration. It is respectfully submitted that none of the references taken separately or in combination disclose the present claimed invention.

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

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If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

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By: 

Stephen T. Boughner
Registration No. 45,317

1201 New York Avenue, NW, Suite 700
Washington, D.C. 20005
Telephone: (202) 434-1500
Facsimile: (202) 434-1501